Great Start Readiness Program

2012–2013 Risk Factor Data Report

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Prepared for

Michigan Department of Education

2012–2013 Risk Factor Analysis

The Great Start Readiness Program (GSRP) uses a list of 8 qualifying risk factors for enrollment into the program. The list of qualifying risk factors was reduced from 25 factors to 8 risk factors in 2009. Additionally, extreme poverty is prioritized over other qualifying categories for enrollment. Because factors 1 and 2 (extremely low family income and low family income) are mutually exclusive, the maximum number of risk factors a child could experience is 7. GSRP grantees used this system exclusively during the 2012–2013 program year.

The information presented in Tables 1 through 6 describe the degree to which children enrolled in the GSRP during the 2012–2013 program school year experienced any of the 8 risk factors that made them eligible for the program. A total of 24,547 complete cases were downloaded from the Michigan Electronic Grants System (MEGS). To adjust for extreme poverty as a priority, 932 cases marked with both risk factor 1 (extremely low family income) and risk factor 2 (low family income) were updated as having ONLY risk factor 1.

Table 1 provides descriptive statistics for enrollment by service type for type of program and the overall total for the 2012–2013 school year. As indicated, almost all children in GSRP attended center-based programs, and over half (60.1 percent) attended on a part-day basis.

Table 1: GSRP 2012 – 2013 Enrollment by Program and Service Type

Service Type	Type of Program						Overall Total	
	Formula Grantee		Competitive Grantee		Formula and Competitive Grantee			
	N	*%*	*N*	*%*	N	%	*N*	*%*
School-Day	7,314	32.6	738	48.9	330	57.6	8,382	34.1
All-Day/Alternate-Day	301	1.3	0	0.0	0	0.0	301	1.2
Part-Day	14,110	62.8	510	33.8	130	22.7	14,750	60.1
Home-Based	30	0.1	0	0.0	12	2.1	42	0.2
GSRP/Head Start Blend	710	3.2	261	17.3	101	17.6	1072	4.4
Total	**22,465** (91.5%)	**100.0**	**1509** (6.2%)	**100.0**	**573** (2.3%)	**100.0**	**24,547**	**100.0**

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Table 2 provides information on the number, percentage of children, and average number of risk factors across demographic categories, service type and program type. As can be seen, on average, 2.36 risk factors are experienced across the various categories.

Table 2: Descriptive Statistics of GSRP 2012–2013 Children and Risk Factors (N=24,547)

	Number of Children	% of Children	Average Number of Risk Factors
Gender			
Male	12,613	51.4	2.42
Female	11,934	48.6	2.36
Ethnicity			
Hispanic/Latino	2,769	11.3	2.72
Non-Hispanic/Latino	21,778	88.7	2.35
Race			
American Indian/Alaska Native	530	2.2	2.52
Asian	485	2.0	2.42
Black/African American	6,067	24.7	2.23
Hawaiian/Pacific Islander	144	0.6	2.19
White	16,619	67.7	2.45
Multiracial	702	2.9	2.39
Parent Working Status			
Parent working	19,573	79.7	2.37
Parent not working	4,974	20.3	2.48
GSRP Service Type			
School-Day	8,382	34.1	2.40
All-Day/Alternate-Day	301	1.2	2.24
Part-Day	14,750	60.1	2.42
Home-Based	42	0.2	1.79
GSRP/Head Start Blend	1072	4.4	2.07
GSRP Program Type			
Formula Grantee	22,465	91.5	2.40
Competitive Grantee	1,509	6.2	2.31
Formula and Competitive Grantee	573	2.3	2.21
Total			**2.36**

Table 3 provides a description of the level of risk experienced by children. As indicated in the table, most of the children — 75.2 percent of the population — experienced 2 or 3 risk factors.

Table 3: Number of Risk Factors for GSRP Children 2012–2013 (*N*=24,547)

Number of Risk Factors Reported	Number of Children	Percent of Children	Cumulative Percent
1	3,244	13.2	13.2
2	11,877	48.4	61.6
3	6,580	26.8	88.4
4–7	2,846	11.6	100.0

Table 4 provides a breakdown of the prevalence of each enrollment risk factor. The 8 risk factors are listed in order of most to least prevalent. The most frequently reported risk factor was environmental risk, followed by extremely low family income (69.3 percent and 68.9 percent, respectively).

Table 4: Risk Factor Prevalence 2012–2013 (*N*=24,547)

Risk Factor and Definition	Number of Children	Percent of Children
Environmental Risk — Parental loss due to death, divorce, incarceration, military service, or absence; sibling issues; teen parent (not age 20 when first child born); family is homeless or without stable housing; residence in a high-risk neighborhood (area of high poverty, high crime, with limited access to critical community services); or prenatal or postnatal exposure to toxic substances known to cause learning or developmental delays.	17,000	69.3
Extremely Low Family Income — Family income is below 200 percent of the federal poverty level (FPL).	16,920	68.9
Low Family Income — Family income is between 200 percent and 300 percent of the federal poverty level (FPL).	6,038	24.6
Parent(s) with Low Educational Attainment — Parent has not graduated from high school or is illiterate.	5,796	23.6
Diagnosed Disability or Identified Developmental Delay — Child is eligible for special education services or child's developmental progress is less than that expected for his/her chronological age, or chronic health issues cause development or learning problems.	5,209	21.2
Abuse/Neglect of Child or Parent — Domestic, sexual, or physical abuse of child or parent; child neglect issues; Child Protective Services report.	3,164	12.9
Primary Home Language Other Than English — English is not spoken in the child's home; English is not the child's first language.	3,138	12.8
Severe or Challenging Behavior — Child has been expelled from preschool or child care center.	1,493	6.1

Table 5 reports risk factors by the GSRP income eligibility prioritization. Sixty-nine percent of children are enrolled using extremely low family income, with 0 to 2 other associated risks for enrollment. Approximately 25 percent more are enrolled using low family income, most with 1 other risk factor or 2 or more additional risks (12.9 percent and 9.5 percent, respectively). Children without income as a risk factor (6.4 percent) are most often enrolled with 2 other types of risk.

Table 5: Risk Factors by GSRP Eligibility Prioritization (*N*=24,547)

Risk of Low Income	Additional Risk Factors	*N*	% of Total	Cumulative %
Extremely Low Family Income	With no other risk	2,449	10.0	
	With 1 additional risk	7,752	31.6	
	With 2 or more additional risks	6,719	27.4	
	Subtotal	**16,920**	**69.0**	**69.0**
Low Family Income	With no other risk	538	2.2	
	With 1 additional risk	3,168	12.9	
	With 2 or more additional risks	2,332	9.5	
	Subtotal	**6,038**	**24.6**	**93.6**
Without Low Family Income risk	With 1 risk	257	1.0	
	With 2 risks	957	3.9	
	With 3 or more risks	375	1.5	
	Sub-total	**1,589**	**6.4**	**100.0**

In Table 6, the prevalence of children from extremely low family income and low family income households, as well as families in which parents were unavailable to provide child care due to employment is detailed by service type. Of particular interest is the percentage of children who are either from extremely low family income or low family income households and have a parent working. The total number of children who fell into this extremely low family income/parent working category in 2012–2013 was 12,669, or 51.6 percent of the total number of enrolled children; for the low family income/parent working category, the total was 5,466, or 22.3 percent.

Table 6: Extremely Low Family Income, Low Family Income, and Parent Working by Service Type 2012–2013

Service Type	Extremely Low Family Income	Low Family Income	Parent Working	Extremely Low Family Income and Parent Working	Low Family Income and Parent Working
School-Day	6,128 (73.1%)	1,859 (22.2%)	6,336 (75.6%)	4,334 (51.7%)	1,659 (19.8%)
All-Day/Alternate-Day	203 (67.4%)	77 (25.6%)	255 (84.7%)	163 (54.2%)	72 (23.9%)
Part-Day	9,743 (66.1%)	3,884 (26.3%)	12,102 (82.0%)	7515 (50.9%)	3,552 (24.1%)
Home-Based	33 (78.6%)	7 (16.7%)	28 (66.7%)	22 (52.4%)	5 (11.9%)
GSRP/Head Start Blend	813 (75.8%)	211 (19.7%)	852 (79.5%)	635 (59.2%)	178 (16.6%)
Total	**16,920 (68.9%)**	**6,038 (24.6%)**	**19,573 (79.7%)**	**12,669 (51.6%)**	**5,466 (22.3%)**

Note. Percentages by service type are based on the total number of cases for the corresponding service type (e.g., school-day, part-day).

Tables 1 through 6 describe characteristics of all the children who enrolled in GSRP. Every year, some children who enroll at some point leave the program before the end of the year. This year, the overall GSRP dropout rate was 6.7 percent. Table 7 provides information on the percentage of dropout by child demographic statistics, service type, program type, and risk factors for 2012–2013.

Table 7: Dropout Rate by Demographic Statistics, Service Type, Program Type, and Risk Factors

	Total N	Dropout N	Dropout %
Gender*			
Male	12,613	885	7.0
Female	11,934	750	6.3
Ethnicity			
Hispanic/Latino	2,769	192	6.9
Non-Hispanic/Latino	21,778	1,443	6.6
Race*			
American Indian/Alaska Native	530	29	5.5
Asian	485	20	4.1
Black/African American	6,067	538	8.9
Hawaiian/Pacific Islander	144	9	6.3
White	16,619	988	5.9
Multiracial	702	51	7.3
Parent Working Status*			
Parent working	19,573	1053	5.4
Parent not working	4,974	582	11.7
GSRP Service Type*			
School-Day	8,382	522	6.2
All-Day/Alternate-Day	301	11	3.7
Part-Day	14,750	1,013	6.9
Home-Based	42	3	7.1
GSRP/Head Start Blend	1072	86	8.0
GSRP Program Type**			
Formula Grantee	20,959	1506	6.7
Competitive Grantee	1,399	110	7.3
Formula and Competitive Grantee	554	19	3.3
Risk Factor (compared to children without the risk)			
Extremely Low Family Income***	16,920	1,262	7.5 (4.9)
Low Family Income***	6,038	298	4.9 (7.2)
Diagnosed Disability or Identified Developmental Delay**	5,209	302	5.8 (6.9)
Severe or Challenging Behavior*	1,493	119	8.0 (6.6)
Primary Home Language Other Than English**	3,138	174	5.5 (6.8)
Parent(s) with Low Educational Attainment	5,796	414	7.1 (6.5)
Abuse/Neglect of Child or Parent	3,164	213	6.7 (6.7)
Environmental Risk***	17,000	1,211	7.1 (5.6)
Number of Risk Factors**			
1	3,013	231	7.1
2	11,162	715	6.0
3	6,101	479	7.3
4–7	2,636	210	7.4
Overall	**22,912**	**1,635**	**6.7**

Note. * $p \leq .05$; ** $p \leq .01$; *** $p \leq .001$.

As Table 7 suggests, the following variables were related to the dropout rate:

- GSRP service type: GSRP/Head Start blended classes had the highest dropout rate (8.0 percent), followed closely by Home-Based, Part-Day, and School-Day classes (7.1 percent, 6.9 percent and 6.2 percent, respectively). All-Day/Alternate-Day had the lowest percentage of dropout.

- Program type: Competitive grantees had a higher dropout rate than formula grantees or formula and competitive grantees (7.3 percent vs. 6.7 or 3.3 percent).

- Child race: Black/African American children had the highest dropout rate (8.9 percent), and Asian children had the lowest (4.1 percent).

- Parent(s) working: Children whose parent(s) did not work were more likely to drop out compared to those with a working parent(s) (11.7 percent vs. 5.4 percent).

- Number of risk factors: Children with 4–7 risk factors had the highest dropout rates (7.4 percent), compared to children with fewer risk factors.

- Type of risk factors: Children with three types of risk factors (extremely low family income; severe or challenging behavior; and environmental risk) were more likely to drop out than were children without the same risks; however, children with three other types of risk factors (low family income, diagnosed disability or identified developmental delay, and primary home language other than English) were less likely to drop out than children without these same risk factors.

This report concludes with Table 8. In this last table, the total number of children in the data set for each Intermediate School District (ISD) is reported along with the percentages of those children who are male or female, Hispanic (ethnicity), and the percentages of children in each race category. In previous reports, information has been further divided by district. District information was not included in MEGS this year.

Table 8: Gender, Ethnicity and Race for GSRP by ISD, 2012–2013

ISD	Agency	N	Male%	Fem%	Hisp%	NatAm%	Asian%	Black%	Haw%	White%	Multi%
3000	Allegan Area Educ Serv Agency	224	54.9	45.1	9.8	0.0	0.0	1.8	0.4	97.8	0.0
4000	Alpena-Montmorency-Alcona ESD	136	51.5	48.5	2.2	0.7	0.0	0.0	0.0	97.1	2.2
8000	Barry ISD	83	49.4	50.6	0.0	0.0	0.0	0.0	0.0	100.0	0.0
9000	Bay-Arenac ISD	290	48.3	51.7	11.4	2.1	0.0	2.1	0.3	92.8	2.8
11000	Berrien RESA	514	48.4	51.6	6.8	5.8	1.8	30.5	0.4	59.3	2.1
12000	Branch ISD	114	58.8	41.2	17.5	0.0	0.0	0.0	0.0	100.0	0.0
13000	Calhoun ISD	583	48.5	51.5	13.0	5.5	3.8	20.2	0.2	70.3	0.0
14000	Lewis Cass ISD	141	57.4	42.6	9.2	2.1	5.7	12.8	0.0	79.4	0.0
15000	Charlevoix-Emmet ISD	162	53.7	46.3	1.9	2.5	0.6	0.0	0.0	93.8	3.1
16000	Cheb-Otsego-Presque Isle ESD	97	54.6	45.4	5.2	5.2	2.1	3.1	0.0	89.7	0.0
17000	Eastern Upper Peninsula ISD	146	56.8	43.2	4.1	17.8	0.0	0.0	0.0	74.7	7.5
18000	Clare-Gladwin RESD	212	56.6	43.4	3.8	1.9	0.0	0.0	0.5	97.6	0.0
19000	Clinton County RESA	73	45.2	54.8	5.5	0.0	0.0	1.4	0.0	98.6	0.0
21000	Delta-Schoolcraft ISD	40	27.5	72.5	0.0	5.0	0.0	0.0	0.0	95.0	0.0
22000	Dickinson-Iron ISD	93	43.0	57.0	3.2	3.2	2.2	2.2	1.1	91.4	0.0
23000	Eaton ISD	180	56.1	43.9	9.4	0.0	1.1	2.2	0.0	92.2	4.4
25000	Genesee ISD	1,448	49.9	50.1	5.5	2.7	0.6	32.8	1.9	60.0	2.1
27000	Gogebic-Ontonagon ISD	49	53.1	46.9	0.0	0.0	0.0	0.0	0.0	100.0	0.0
28000	Traverse Bay Area ISD	367	52.9	47.1	5.4	2.2	0.5	1.1	0.3	92.6	3.3
30000	Hillsdale ISD	119	44.5	55.5	0.0	1.7	0.0	4.2	0.0	90.8	3.4
31000	Copper Country ISD	194	50.0	50.0	2.1	2.1	1.0	0.0	0.0	92.3	4.6
32000	Huron ISD	64	50.0	50.0	3.1	0.0	7.8	0.0	0.0	92.2	0.0
33000	Ingham ISD	951	51.7	48.3	16.0	1.9	3.4	29.7	0.3	57.5	7.3
34000	Ionia ISD	215	51.2	48.8	8.4	0.0	0.5	0.0	0.0	98.1	1.4
35000	Iosco RESA	105	51.4	48.6	2.9	0.0	1.0	1.9	0.0	95.2	1.9
38000	Jackson ISD	523	50.5	49.5	2.7	0.6	0.8	17.0	0.0	67.9	13.8
39000	Kalamazoo RESA	668	46.1	53.9	9.9	1.2	3.6	37.7	0.6	54.2	2.7
41000	Kent ISD	1,723	51.5	48.5	28.1	6.8	2.8	23.8	1.5	59.8	5.2
44000	Lapeer ISD	138	54.3	45.7	21.0	0.0	0.7	2.2	0.0	96.4	0.7
46000	Lenawee ISD	215	50.7	49.3	10.2	0.5	0.0	0.9	0.0	93.0	5.6
47000	Livingston ESA	172	53.5	46.5	4.1	0.0	0.0	0.6	0.0	99.4	0.0
50000	Macomb ISD	1,078	51.8	48.2	5.4	0.2	7.0	25.4	0.2	64.6	2.7
52000	Marquette-Alger RESA	86	54.7	45.3	1.2	5.8	0.0	2.3	0.0	86.0	5.8
53000	West Shore Educ Serv District	278	54.7	45.3	21.9	1.4	0.4	1.4	0.4	92.8	3.6
54000	Mecosta-Osceola ISD	228	50.4	49.6	2.2	0.9	0.0	2.6	0.4	96.1	0.0
55000	Menominee ISD	88	61.4	38.6	1.1	1.1	0.0	1.1	0.0	97.7	0.0
56000	Midland County Educ Serv Agency	1,273	52.0	48.0	9.7	1.6	0.2	27.8	2.8	65.1	2.4
58000	Monroe ISD	283	52.3	47.7	2.5	0.0	1.1	6.4	0.7	91.9	0.0
59000	Montcalm Area ISD	259	49.8	50.2	5.0	3.1	1.5	1.2	0.0	94.2	0.0
61000	Muskegon Area ISD	691	53.4	46.6	7.5	0.1	0.0	21.3	0.3	74.2	4.1
62000	Newaygo County RESA	269	57.2	42.8	9.7	4.1	0.4	1.1	0.0	90.3	4.1
63000	Oakland Schools	1,851	52.0	48.0	12.4	5.2	3.2	35.8	0.8	52.5	2.5
70000	Ottawa Area ISD	665	52.5	47.5	30.2	4.8	6.3	6.8	0.3	77.6	4.2
72000	C.O.O.R. ISD	170	50.6	49.4	2.9	2.4	1.8	1.8	0.0	93.5	0.6
74000	St. Clair County RESA	319	48.9	51.1	4.1	1.3	0.9	6.6	0.0	84.6	6.6
75000	St. Joseph County ISD	314	48.7	51.3	13.4	1.0	0.0	4.5	0.3	93.6	0.6
76000	Sanilac ISD	173	52.0	48.0	3.5	0.6	0.6	2.9	0.0	96.0	0.0
78000	Shiawassee Regional ESD	325	55.4	44.6	4.9	1.2	1.5	3.1	0.6	93.5	0.0
79000	Tuscola ISD	211	48.8	51.2	3.8	2.4	0.5	0.0	0.0	96.7	0.5
80000	Van Buren ISD	294	52.0	48.0	34.0	0.0	0.3	4.8	0.0	93.2	1.7
81000	Washtenaw ISD	532	53.6	46.4	14.3	0.4	5.3	31.8	0.0	58.8	3.8
82000	Wayne RESA	4,800	50.9	49.1	11.9	0.2	1.6	51.4	0.3	44.5	2.0
83000	Wexford-Missaukee ISD	321	52.3	47.7	1.9	0.0	0.6	1.2	0.3	97.8	0.0